Day-17

Displaying Errors

- In order to display the errors msg we invoke the errors property.
- Errors is treated as a class which has multiple of properties in it.
    1.) required
    2.) pattern

```
<div class="form-group">
<lable> Phone Number </lable>
<input type="text" class="form-control" name="phone"
#phone="ngModel" pattern="^[7-9]{1}[0-9]{9}$"
[class.is-invalid]="phone.invalid && phone.touched"
[ngModel]="userModel.phone" required>
```

```
<div *ngIf="phone.errors && (phone.invalid && phone.touched)">
  <small class="text-danger" *ngIf="phone.errors.required">Phone number is ruquired</small>
  <small *ngIf="phone.error.pattern" class="text-danger">
  Phone number size should be 10 and it should start from 7,8,9</small>
</div>
</div>
```

Output:-

Case 1:- If you touch the input tag

Phone Number

Phone number is ruquired

Case 2:- If any mistake with respect to pattern

Phone Number

Phone number size should be 10 and it should start from 7,8,9

Email validation:-

```
<div class="form-group">
<lable>Email</lable>
<input type="text" class="form-control" name="email"
#email="ngModel" pattern="[a-z]{4,15}(@gmail.com)"
[class.is-invalid]="email.invalid && email.touched"
[(ngModel)]="userModel.email" ruquired>
<div *ngIf="email.error && (email.invalid &&
    email.touched)">
<small *ngIf="email.errors.required"
  class="text-danger">email is ruquired</small>
```

<small *ngIf="email.errors.patten" class="text-danger">
email patten has to follow ex: sushma@gmail.com</small>

Output:-

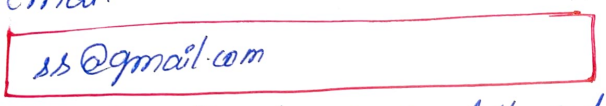
Case 1:- Just touching & not entered any data.

Email

Email is required.

Case 2:-

Email



email patten has to be followind ex:sushma@gmail.com

button enable & disable:-

<form #userForm="ngModel">
{{userForm.form.valid}}

<button class="btn btn-primary" [disabled]="
userForm.form.invalid">Button</button>

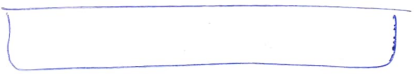
Output 1

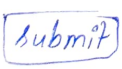
false

Name

Email

Phone



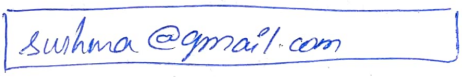


Output 2:-

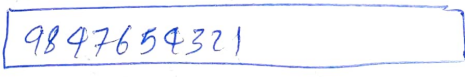
true

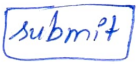
Name

Email



Phone





* Initially if the data is invalid then we are binding it with disabled property.
* If all the data are valid then the button will be enabled.

ngSubmit:-

app user.ts

```
class export User
{
    constructor(
    public username,
    public email,
    public mobile,
    ){}
}
```

app.component.ts

```
export class AppComponent{
  title = "Form Example";
  userModel = new User('', '', '')
  onsubmitFunction()
  {
    console.log(this.userModel)
  }
}
```

app.component.html

```
<form #userForm="ngForm" (ngSubmit)=
    "onsubmitFunction()">
```

Output:-

Name

Email

Phone

console Soun:-

user{username:"sushma",
email:"sushma@gmail.com"
phone:"9067891011"}